



DIVIDED-CYLINDER WASHER-EXTRACTORS

THREE CAPACITIES • STAPH-GUARD® PASS-THROUGH DESIGN FOR HEALTHCARE



60044 WP2



MILNOR DIVIDED-CYLINDER WASHER-EXTRACTORS

These durably-built models offer:

- Unique suspension system enables high extraction speeds for fast and fuel-efficient finishing.
- Staph-Guard® system for healthcare laundries to prevent cross-contamination.
- Microprocessor provides fully-automated operation and precise temperature control via user-friendly display.
- Big inlet and drain valves for fast filling and draining accelerate production.
- Automatic supply injection improves quality and promotes consistency.
- Compact design saves space.

Model 42044:

- 200 lb. (90 kg) capacity.
- High extraction of 300 Gs.

Model 60044:

- 450 lb. (200 kg) capacity.
- High Extraction of 317 Gs.

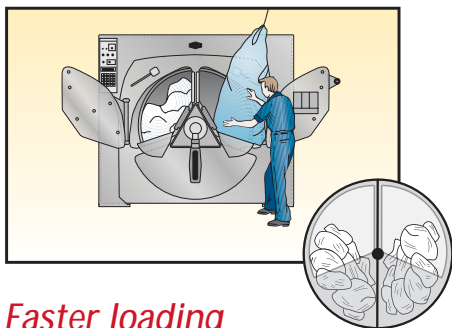
Model 72044:

- 700 lb. (315 kg) capacity.
- High extraction of 300 Gs.



RAPID LOAD

Two pockets for higher productivity and superior wash quality



Faster loading

Both pockets are open at one time for loading. (No need to load one pocket, close the doors, inch the cylinder, and then open another set of doors to load the other pocket.)

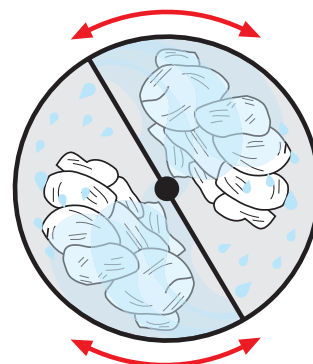
Gravity makes sling loading easy. Plus, low doors facilitate manual loading. In large installations with several operators, two employees can load both pockets simultaneously to save even more time.

Faster Unloading

For easy removal of goods, the load is fluffed by a tumble cycle after extraction. Then the cylinder is rotated to locate the load directly in front of the door - about 18° below horizontal for unloading. (With optional AUTOSPOT, positioning is done automatically, in seconds.) The machine's convenient door height makes unloading easy. Plus, the shelf-like inner door prevents the load from dropping between cylinder and shell.



The second pocket is unloaded just as easily by turning the cylinder to this position. AUTOSPOT does the job easily and accurately.



Better Washing Action

RAPID LOAD's large 60-in. diameter cylinder - divided by only a single partition - provides greater dropping action for outstanding soil removal. Reversing action (note arrows) prevents tangling. The big drop also fluffs the load at the end of the cycle, making it easier to remove from the machine



Microprocessor is simple, versatile.

Microprocessor controller provides 100 formulas, 98 fully field-programmable. Two pre-programmed formulas get you started fast. Controller is user-friendly for both operator and programmer. Display gives operating information, plus prompts for each programming step. Help messages occur automatically or as requested. Formulas can be added, created, deleted, or modified in a single programming mode. Formulas may be downloaded and/or printed and data can be accumulated and printed. Easy-to-read graphics enhance washroom operations and simplify personnel training.

Automatic supply injection promotes consistency.

This unit automatically injects up to five washing supplies. Before injection, supplies are diluted to prevent harm to the load. Central liquid supply injection is available, too. This eliminates filling the machine's supply compartments between loads.

Accurate temperature control.

Desired temperature can be programmed into each step of a formula - allowing infinite temperature settings. The solid state temperature control is accurate, and it'll stay that way because it's automatically calibrated.

STAPH-GUARD® MACHINES

PROVEN IN BARRIER LAUNDRIES WORLDWIDE



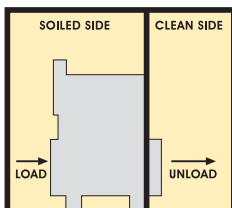
How the STAPH-GUARD® system helps prevent cross-contamination.

The MILNOR STAPH-GUARD® System is a thorough laundering system that combats recontamination of clean hospital laundry. Here are its essential features.

1. Barrier with pass-through machines.

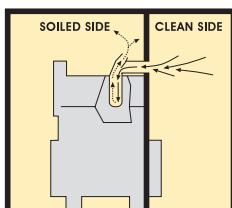
The system begins with a barrier that completely separates the soiled laundry handling area from the clean laundry section.

Installed in this barrier are STAPH-GUARD® washer-extractors. These machines are equipped with separate sets of doors - one set on the soiled side (for loading) and another set on the clean side (for unloading). Different personnel load and unload the machines.



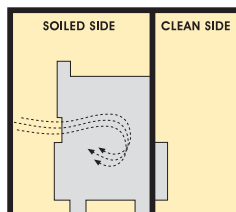
2. StaphAIRTROL controls air flow.

StaphAIRTROL keeps bacteria-laden air from being discharged and recirculated in the clean laundry section. It permits air to be drawn into each washer-extractor from the clean side only and discharged into the soiled section only. This is critical since large volumes of air are drawn into the machine and expelled during normal operations.



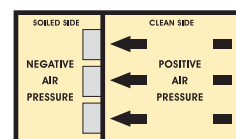
3. Safety interlocks.

Automatically-controlled safety interlocks maintain the integrity of complete separation. Loading and unloading doors cannot be opened simultaneously. Doors on the unloading side will not open until all cycles are complete. When the unloading door is ajar, there are no openings - even through the drain valve - to the soiled side. Also, water drains to the soiled work area only.



4. Positive/negative air pressure.

The entire hospital laundry should be designed to include positive pressure ventilation in the clean section and negative pressure ventilation in the soiled section. Any air seepage through the partition must be induced into the soiled section. StaphAIRTROL prevents reverse air flow through the washer-extractors themselves. Even the dump valve automatically closes when the clean-side doors are open, to prevent updraft of air into the machine from the highly contaminated drain gutter.



HYDRO-CUSHION® reduces objectionable vibration.

HYDRO-CUSHION® is a unique suspension system designed to minimize objectionable vibration. It includes a rugged steel frame and spring-hydraulic units with heavy fluid damping. Provided a reasonable safety factor exists, the machine can be installed on any floor strong and rigid enough to support - without undue or objectionable deflections - the dead weight of the fully loaded machine, and the repeated forces transmitted to the floor by the rotating machinery. Consult manufacturer for full information.

Large, low doors speed loading and unloading.

Loading and unloading doors on RAPID LOAD models are extra large for ease in handling. The conveniently located doors are close to the washroom floor for easy loading.

AUTOSPOT (optional extra) automatically locates the cylinder in precisely the right position each time for loading and unloading. This speeds turnaround time between loads by eliminating the guesswork usually required to position the cylinder.

Ideal for poly-cottons and regular cottons.

Precise temperature control is provided by MILNOR's solid state control. Infinite numbers of temperature settings can be digitally programmed for virtually any type of fabric. Accuracy is ensured by automatic recalibration. Low speed extraction (optional extra) helps keep wrinkles from setting in polyester-cottons.

Compact design saves space.

MILNOR design yields low, compact outer dimensions without sacrificing inner cylinder capacity - real space savers for laundries.

SPECIFICATIONS

DIVIDED-CYLINDER WASHER-EXTRACTORS	42044 WP2		60044 WP2		72044 WP2	
Cylinder Volume - cu. ft. (L)	35	(999)	72	(2039)	104	(2936)
Capacity @ 10:1 - lbs. (kg)	220	(99)	450	(204)	647	(294)
Capacity @ 9:1 - lbs. (kg)	245	(111)	500	(227)	719	(326)
Cylinder diameter x depth - ins. (mm)	42x44	(1067x1118)	60x44	(1524x1118)	72x44	(1829x1118)
Number of cylinder compartments	2	2	2	2	2	2
Cylinder door area - sq.in. (sq. cm)	224	(1445)	1,076	(6941)	1,700	(5484)
Height of loading doors above floor - ins. (mm)	37	(940)	34	(863)	36.5	(927)
Single-motor drive - HP (kw)	25	(18.64)	50	(37.28)	N/A	--
Wash motor - HP (kw)	--	--	--	--	10	(7.45)
Drain speed motor - HP (kw)	--	--	--	--	7.5	(5.59)
Extraction motor - HP (kw)	--	--	--	--	20	(14.91)
Low speed extraction motor - HP (kw)	--	--	--	--	15	(11.18)
Approx. wash speed (reversing 4 times/minute) - RPM	32 *		27 *		26	
Approx. low speed extract - RPM	375 *	--	305 *	--	220	--
Maximum Extract speed - RPM (G forces)	700	(300)	610	(317)	535	(300)
Automatic drain valve - ins. (mm)	8	(203)	8	(203)	10	(254)
Automatic inlet valves - ins. (mm)	1.5 **	(38) **	2 **	(51) **	2**	(51) **
Overall width *** - ins. (mm)	84.63	(2150)	102.18	(2595)	118.37	(3007)
Overall depth *** - ins. (mm)	70.18	(1783)	82.93	(2107)	84.5	(2146)
Overall height *** - ins. (mm)	81.13	(2061)	94	(2388)	100.5	(2553)
Approx. net weight - lbs. (kg)	5,700	(2590)	11,994	(5440)	17,260	(7829)

* Programmable speeds. ** Equivalent flow rate *** With standard accessories.

Capacity depends on density and soil content of goods. Specifications subject to change without notice.

STAPH-GUARD® WASHER-EXTRACTORS	42044 SP2		60044 SP2		72044 SP2	
Cylinder Volume - cu. ft. (L)	35	(999)	72	(2039)	104	(2936)
Capacity @ 10:1 - lbs. (kg)	220	(99)	450	(204)	647	(294)
Capacity @ 9:1 - lbs. (kg)	245	(111)	500	(227)	719	(326)
Cylinder diameter x depth - ins. (mm)	42x44	(1067x1118)	60x44	(1524x1118)	72x44	(1829x1118)
Number of cylinder compartments	2	--	2	--	2	--
Cylinder door area - sq.in. (sq. cm)	224	(1445)	538	(3471)	850	(5484)
Height of loading doors above floor - ins. (mm)	37.5	(953)	33.5	(851)	36.5	(927)
Single-motor drive - HP (kw)	25	(18.64)	50	(37.28)	N/A	--
Wash motor - HP (kw)	--	--	--	--	10	(7.45)
Drain speed motor - HP (kw)	--	--	--	--	7.5	(5.59)
Extraction motor - HP (kw)	--	--	--	--	20	(14.91)
Low speed extraction motor - HP (kw)	--	--	--	--	15	(11.18)
Approx. wash speed (reversing 4 times/minute) - RPM	34 *		27 *		26	
Approx. low speed extract - RPM	375 *	--	305 *	--	220	--
Maximum Extract speed - RPM (G forces)	700	(300)	610	(317)	535	(300)
Automatic drain valve - ins. (mm)	8	(203)	8	(203)	10	(254)
Automatic inlet valves - ins. (mm)	1.5**	(38) **	2**	(51) **	2**	(51) **
Overall width *** - ins. (mm)	84.8	(2156)	102.8	(2611)	121.8	(3094)
Overall depth *** - ins. (mm)	74.25	(1886)	83	(2108)	84.1	(2135)
Overall height *** - ins. (mm)	81.62	(2073)	109.75	(2788)	108	(2743)
Approx. net weight - lbs. (kg)	6,156	(2792)	12,074	(5477)	18,954	(8597)

Better engineering means greater reliability.

Large, high capacity roller bearings are grease-lubricated. Three seals shield bearings from the washing solution, and keep oil and grease from entering the shell. Rugged flange-type bearing mountings, with external boxed bracing, provide rigidity. Extraction forces are transmitted directly to front and rear shell heads, to minimize stress-strain deflection and vibration.

Throughout each machine, MILNOR employs rugged construction, continuous welding, and heavy materials for superior strength. Cylinders are fabricated entirely of high tensile stainless steel - including front and rear heads and compartment partitions. The machine's stainless steel shaft runs entirely through the cylinder for greater rigidity.

